



Factors affecting the emergence and prevalence of vector borne infections (VBI) and the role of vertical transmission (VT)

Author(s): Pherez FM
Year: 2007
Journal: Journal of Vector Borne Diseases. 44 (3): 157-163

Abstract:

Vector-borne infections (VBI) are very common around the globe and they account for many devastating diseases. They are not found exclusively in the third world or tropical regions but spread to every corner of the planet. The factors driving these infections are many and interact in very complex ways. This review attempts to put into perspective the external-climate change and demographics, as well as the internal factors that drive these infections with particular attention to the role that vertical transmission (VT) plays in the prevalence and emergence of these infections. VT has been widely demonstrated, its role in the maintenance of disease in nature has been suggested, but whether this role has a positive or negative effect seems to vary from species to species. The incorporation of this mechanism of transmission into the classic cycle of infection/maintenance of disease seems to explain important aspects of the epidemiology of VBI.

Source: <http://www.mrcindia.org/journal/issues/443157.pdf>

Resource Description

Exposure :

weather or climate related pathway by which climate change affects health

Ecosystem Changes, Temperature, Unspecified Exposure

Temperature: Fluctuations

Geographic Feature:

resource focuses on specific type of geography

None or Unspecified

Geographic Location:

resource focuses on specific location

Global or Unspecified

Health Impact:

specification of health effect or disease related to climate change exposure

Climate Change and Human Health Literature Portal

Infectious Disease

Infectious Disease: Vectorborne Disease

Vectorborne Disease: General Vectorborne

Mitigation/Adaptation: ☒

mitigation or adaptation strategy is a focus of resource

Adaptation

Population of Concern: A focus of content

Population of Concern: ☒

populations at particular risk or vulnerability to climate change impacts

Low Socioeconomic Status

Resource Type: ☒

format or standard characteristic of resource

Review

Timescale: ☒

time period studied

Time Scale Unspecified